NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LMC1/0414

MURRAY LEONARD 8360 WINTER SPRINGS LANE LAKE WORTH FL 33467

APPLICATION NO.		FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED	
	09/079,29	3 05/12/ [,]	98 009	CROCKETT, R	2787	04/14/00
First Named Applicant	PAUL,		35	USC 154(b) term ext. =	0 Day	5.

TITLE OF

SOFTWARE MANAGEMENT OF AN INTELLIGENT POWER CONDITIONER WITH BACKUP SYSTEM OPTION EMPLOYING TREND ANALYSIS FOR EARLY PREDICTION OF AC POWER LINE FAILURE

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN	. TYPE	SMALL	ENTITY	FEE DUE	DATE DUE
0 M-553	700	-293.000	L20	UTIL	.ITY	YES	\$605.00	97/14/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED.</u>

HOW TO RESPOND TO THIS NOTICE:

- I. Review the SMALL ENTITY status shown above.

 If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
 - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and 'Trademark Office of the change in status, or
 - B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.

 Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

09/079,298 Examiner	PAUL ET AL. Art Unit	
Examiner		
Dahart C Craskett		
Robert G. Crockett	2787	
SIS (OR REMAINS) CLOSED in	this application. If not included	e course.
under 35 U.S.C. § 119(a)-(d).	cuments have been	
Serial Number)		
from the International Bureau (F	CT Rule 17.2(a)).	
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rity under 35 U.S.C. & 119(e).		
Action. Failure to timely comply be available under the provision TICE OF INFORMAL APPLICATION.	will result in s of 37 CFR 1.136(a). TION (PTO-152) which gives reason(s) why
d by applicant to be informal		
• • • •	W PTO-948) attached	
person's ratent brawing review	W 1 10-540) attached	
ing correction filed which	h has been approved by the examine	or
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ee 37 CFR 1.84(c)) should be we e paper with a transmittal lette	rritten on the reverse side of the r addressed to the Official	
QUIREMENT FOR THE DEPOS	IT OF BIOLOGICAL MATERIAL.	
corner, the APPLICATION NUM Due, the ISSUE BATCH NUMBE	BER (SERIES CODE / SERIAL NUM R and DATE of the NOTICE OF	MBER). If
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	SIS (OR REMAINS) CLOSED in the Fee Due or other appropriate the Fee Due of the Priority does a serial Number). Serial Number). From the International Bureau (Priority under 35 U.S.C. & 119(e). Soly with the requirements noted the Action. Failure to timely comply be available under the provision of TICE OF INFORMAL APPLICATION IS RESERVED TO THE DECLARATION IS RESERVED TO THE DECLARATION IS RESERVED TO THE DEPOSITION OF	under 35 U.S.C. § 119(a)-(d). RTIFIED copies of the priority documents have been Serial Number) from the International Bureau (PCT Rule 17.2(a)). rity under 35 U.S.C. & 119(e). Poly with the requirements noted below is set to EXPIRE Action. Failure to timely comply will result in be available under the provisions of 37 CFR 1.136(a). TICE OF INFORMAL APPLICATION (PTO-152) which gives reason(DATH OR DECLARATION IS REQUIRED. Indicate the department of the provisions of 37 CFR 1.136(a). TOTAL OR DECLARATION IS REQUIRED. In the series of the examination of the exam

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DETAILED ACTION

EXAMINER'S AMENDMENT

The application has been amended as follows:

In the Abstract:

In line 12: replace - need for said - with "need for an"

In line 13: replace – if said inverter – with "if an inverter"

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

The prior art of record and cited by the examiner does not teach or suggest a system with all the following limitations in combination:

a microprocessor based control system which:

employs trend analysis for early prediction of AC power line failure;

provides suitable alarms when an operating input AC line is imminently defective;

initiates an inverter control signal when an inverter module is attached as an option;

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analyzes the input and output voltages;

provides analysis of input voltage surges and sags;

measures transient amplitude and transient pulse width;

counts glitches, and discontinuities or dropouts;

measures frequency;

identifies each defect;

computes associated trends;

stores all accumulated data in a Log Buffer for digital printout and video display;

provides appropriate alarms to the user;

advises of imminent power failure and the need for attaching an inverter module which can be attached by simple plug in.

All of the above limitations have been interpreted in light of the applicant's specification (pp. 34-47).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert G. Crockett whose telephone number is 703-308-6107. The examiner can normally be reached on M-Th (7:30:6:00) Friday off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Palys can be reached on 703-308-9685. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3718 for regular communications and 703-305-3718 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-7244.

RGC April 11, 2000

JOSEPH E. PALYS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2700